

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1637

Confirmation No.: 4214

Examiner: Jeffrey N. Fredman

In re Application of:

March ALIZON et al.

Application No.: 08/475,822

Filed: June 7, 1995

For: CLONED DNA SEQUENCES

RELATED TO THE GENOMIC RNA

OF LYMPHADENOPATHY-

ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID

LAV GENOMIC RNA

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

POWER OF ATTORNEY

Applicants' Assignee hereby grants power of attorney to FINNEGAN, HENDERSON,

FARABOW, GARRETT & DUNNER, L.L.P. Customer Number 22,852, to transact all

business in the Patent and Trademark Office connected therewith, and to receive the

Letters Patent. Please also send all future correspondence concerning this application to

The undersigned is authorized to sign this Power of Attorney.

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., Customer Number 22,852

Respectfully submitted,

Dated: JUNE 5, 2006

Name: / JACK SPIEGE (REGH 34477)

Title: SELVOR ADVISOR FOR TECHNOLISY TRANSFER OF EACH TIONS

Assignee: United States of America as

represented by the Secretary of the Department of Health and

Human Services



PATENT Customer No. 22,852 Attorney Docket No. 3495.0010-24

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re Application of:)) Group Art Unit: 1637
March ALIZON et al.)
Application No.: 08/475,822) Examiner: Jeffrey N. Fredman
••) Confirmation No.: 4214
Filed: June 7, 1995)
For: CLONED DNA SEQUENCES	,

RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-

ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID

LAV GENOMIC RNA

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

SUBMISSION UNDER 37 C.F.R. § 3.73(b)

The United States of America as represented by the Secretary of the Department of Heath and Human Services, having its principal place of business at 900 Rockville Pike, Bethesda, Maryland 20892, submits that it, together with Institut Pasteur of Paris, France, are the Assignees and owners of 100% of the right, title, and interest in the patent application identified above. The United States of America as represented by the Secretary of the Department of Heath and Human Services' ownership interest is evidenced by:

Assignments from Robert C. Gallo, Mikulas Popovic, and Mangalasseril G. Sarngadharan, who are being added as inventors to the patent application identified above; copies of these Assignments are included in Exhibit A attached hereto.

The undersigned is authorized to act on behalf of the assignee, The United States of America as represented by the Secretary of the Department of Heath and Human Services.

I hereby declare that all statements made of my own knowledge and belief are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Name: JACK SPLEGEZ (REGHT 34477)
Title: SELVON ADVISOR FOR TECHNOLOGY TRANSFER OF ER TIONS

Assigned: The United States of America

Assignee: The United States of America as represented by the

Secretary of the Department of Health and Human Services.

Dated: JUNE SOUR

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EXHIBIT A

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

WHEREAS, The United States of America as represented by the Secretary of the Department of Heath and Human Services, whose post office address is 900 Rockville Pike, Bethesda, Maryland 20892 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Robert C. Gallo

Ma 31, 06

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

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NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Mikulas Popovic

∕Øate

ine 1, 2006

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for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

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NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration. communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Mangalasseril G. Sarngadharan

Mangalasseril G. Sarngadharan



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit: 1637
March ALIZON et al.	· ·
Application No.: 08/475,822) Examiner: Jeffrey N. Fredman
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PROTEINS ENCODED BY SAID LAV GENOMIC RNA	

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

SUBMISSION UNDER 37 C.F.R. § 3.73(b)

Institut Pasteur, duly organized under the laws of France and having its principal place of business at 28, rue du Docteur Roux, 75724 Paris Cedex 15, France, submits that it, together with the United States of America as represented by the Secretary of the Department of Health and Human Services, are the Assignees and owners of 100% of the right, title, and interest in the patent application identified above. Institut Pasteur's ownership interest is evidenced by:

An Assignment from the inventors to Institut Pasteur and Centre Nationale de la Recherche Scientifique, jointly, which was recorded in the Patent and Trademark Office

at Reel 016769, Frame 0280, on July 14, 2005; copies of the recorded Assignment and the Notice of Recordation are attached hereto as Exhibit A; and

An Assignment from Centre Nationale de la Recherche Scientifique, having its principal place of business at 3, Rue Michel-Ange, 75794 Paris, Cedex 16, France, to Institut Pasteur, a copy of which is attached hereto as Exhibit B; and

Assignments from Solange Chamaret, Claudine Axler-Blin, Françoise Rey, Marie Therese Nugeyre, Jacqueline Gruest, Charles Dauguet, Willy Rozenbaum, Christine Rouzioux, Françoise Brun-Vezinet, Luc Montagnier, Jean-Claude Chermann, and Françoise Barre-Sinoussi, who are being added as inventors to the patent application identified above, to Institut Pasteur; copies of these Assignments are included in Exhibit C attached hereto.

The undersigned is authorized to act on behalf of the assignee, Institut Pasteur.

I hereby declare that all statements made of my own knowledge and belief are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may ieopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

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	₽ - By :	Double
	Name: Title:	Alice Dautry President Institut Pasteur
Dated:	June	(8h 2006

07-19-2005

2.

1.

U.S. Department of Commerce Patent and Trademark Office Atty. Docket No. 3495.0010-15 Attorney Customer Number: 22,85.

Mail Stop Assignment Recordation Services

To th	e Directo	r of the	U.S.	Patent an-
Pleas	e record	the at	ached	original c
	4.1			

- Name of conveying party(ie-).
 - Marc ALIZON
 - Pierre SONIGO Cole STEWART

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Name and address of receiving party(ies):

Institut Pasteur

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Addition	nal name(s)	of conve	ying par	ty(ies) atta	ched?	Yes 🛛 No					
3.	Nature of	conveyar	ice:								
Ø	Assignn	nent		Merger				-			
	Security Agreem			Change	of Name						
	Other: [Describe]				Ad	Additional name(s) & Address(es) attached?					
EXECUT	on Date:	Februar	y 7, 198	98		•			☐ Yes	⊠ No	
4.	Application the application	n number ation:	(s) or p	alent numb	er(s): If th	is document is	being f	iled t	ogether with a nev	v application	, the execution date of
A.	Patent Application Number(s):				B.		Patent Number(s):				
	1. Appln. No. 06/771,248 (08/30/1985)						1. US No. 5,980,900 (11/09/1999)				
	····			Addition	al number	rs attached?	Ø	Yes	□ No		
5.	5. Name and address of party to whom correspondence concerning document should be mailed:				6.		Total number of applications and registrations involved: 14				
Name:	Salvatore			No. 48,063		٠,	7.		Total fee (37 CF (\$40 x 14)	R 1.21(h) an	d 3.41): \$560
Internal	Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.				7	⊠	Enclosed (Please charge deficiency to deposit				
Street A	Street Address: 901 New York Avenue, N.W.				7		account 06-	0916)	s deliciterity to daposit		
City:	W	ashington	, D.C.				7		Authorized	to be charge	d to deposit account
State.			Zip:		20001-4	413	8.		Deposit Account	No.: <u>06-091</u>	6
9.	Statement	and sign:	alure								

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original

07/18/2005 1-BYRNE 00000140 5980900

Salvatore J. Arrigo

01 FC 8021

560.00 0

Total number of pages including cover sheet, attachments and documents: 3

01/2005

PATENT REEL: 016769 FRAME: 0280

4. Application/Patent Numbers (Continued)

Patent Applications

- 2. Appln. No. 07/158,652 (02/22/1998)
- 3. Appln. No. 08/026,736 (03/04/1993)
- 4. Appln. No. 08/051,226 (04/23/1993)
- 5. Appln. No. 08/156,930 (11/24/1993)
- 6. Appln. No. 08/308,218 (09/19/1994)
- 7. Appin. No. 08/308,219 (09/19/1994)
- 8. Appln. No. 08/475,822 (06/07/1995)

Issued Patents

- 2. US No. 5,705,612 (01/06/1998)
- 3. US No. 6,894,152 (02/25/1994)
- 4. US No. 6,555,112 (04/29/2003)
- 5. US No. 6,261,564 (07/17/2001)
- 6. US No. 6,706,268 (03/16/2004)

PATENT REEL: 016769 FRAME: 0281

FOR UNFILED APPLICATION FOR UNITED STATES PATENT (Sole or Joint laventors)

WHEREAS:

- ALIZON Marc, 71, rue du Cardinal Lemoine 75005 PARIS (France) SONIGO Pierre 23, rue Gutemberg 75015 PARIS (France)
- STEWART Cole
- 4Bis Villa Denise 92320 CHATILLON (France) DANOS Oliver 1, Place Rollet 75015 PARIS (Prance)
 WAIN-HOBSON Simon 3, rue Jean de la Pontaine

78180 MONTIGNY LES BRETONNEUX (France)

FILE OF

(bereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled;

CLONED DNA SEQUENCES RIGHTED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS(LAV) AND ... RNA

WHEREAS:

INSTITUT PASTEUR

25-28, rue du Dr. Roux 75724 PARIS CEDEX 15 (France)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIPIQUE 15, Quai Anatole France 75007 PARIS (Prance)

[hardinafter referred to as ASSIGNEE], is dustrous of acquiring the entire interest in, to and under said invention and the United Status Lutters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (61.00), the receipt of which is hereby acknowledged, and fur other good and valuable consideration, ASSIGNOR hereby soils. assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United Status to be obtained therefor on said application or any continuation, davision, renowal, substitute or release thereof for the full term or terms for which the same may be granted,

ASSIGNOR horeby covariants that no assignment, sale, agreement or excumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Latters Patent as may be known and accussible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto end will promptly execute and deliver to ASSIGNEE or its legal representative any out all papers, instruments or allidavits required to apply for, obtain, maintain and onlore said application, said invention and said Letters Patent which also be necessary or describile to carry out the purposes hereof.

IN WITNESS WHEREOF, IVWe have horsunto set hand and seat this

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RECORDED: 07/14/2005

PATENT REEL: 016769 FRAME: 0282

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ASSIGNMENT

WHEREAS, by virtue of an Assignment recorded in the United States Patent and Trademark Office on Reel 016769, Frames 0280-282, on July 14, 2005, Centre Nationale de la Recherche Scientifique (hereinafter referred to as ASSIGNOR), is the owner of rights, title, and interest in United States Patent Application Serial No. 08/475,822, filed June 7, 1995, (Attorney Docket No. 3495,0010-24), in the name of Marc Alizon, Pierre Sonigo, Cole Stewart, Oliver Danos, and Slmon Wain-Hobson and entitled CLONED DNA SEQUENCES RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA.

WHEREAS; Institut Pasteur (hereinafter referred to as ASSIGNEE), is desirous of acquiring from ASSIGNOR the ASSIGNOR's rights, title, and Interest in, to and under the aforesaid patent application and the Invention therein in the United States of America and its territories and possessions,

NOW THEREFORE, in consideration of good and valuable consideration, receipt of which from ASSIGNEE is acknowledged by ASSIGNOR, ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE, its lawful successors and assigns, all of ASSIGNOR's rights to said invention in the United States, its territories and possessions, and all of ASSIGNOR's rights, title, and Interest in and to said United States patent application Serial No. 08/475,822, filed June 7, 1995, and in and to any Letters Patent, which may be granted therefor in the United States, its territories and possessions, and in and to relssues, reexaminations, and extensions thereof.

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ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its lawful successors and assigns as the assignee of the entire right, title, and Interest in and to the same, for the sole use and enjoyment of said ASSIGNEE, its lawful successors and assigns.

Furthermore, ASSIGNOR agrees that it will communicate to said ASSIGNEE, or its representatives, any facts known to ASSIGNOR respecting said invention, and, at ASSIGNEE's expense, testify in any legal proceedings, sign all lawful papers, execute all relssue, reexamination and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its lawful successors and assigns, to obtain and enforce proper protection for said invention in the United States, its territories and possessions.

IN WITNESS WHEREOF, ASSIGNOR has hereunto set its hand this 31day of May, 2006.

Centre Nationale de la Recherche Scientifique

By:

Title:

Marc J. LEDOUX

charoje de

WITNESS: Responsable du Pilotage

ITLE: de la Vilorisation

Frédéric FOUBERY

TE S, NE MICHELANGE V. TSOIS PARIS

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ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Solange Chamaret

24 - 5 5 - 5 6

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an Invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

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WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignes), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

a Axlu-Blin	eg Mai 200 b'	
Claudine Axler-Blin	Date	

ASSIGNMENT

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CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Françoise Rey

Date mai loop

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

for which an application for United States Letters Patent was filed on June 7, 1995 (Application No. 08/475,822); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Marie-Therese Nugeyre

May 29 2006

ASSIGNMENT

WHEREAS, JACQUELINE GRUEST, [hereinafter referred to as Assignor], made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY-ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Jacqueline Gruest

By: Jacques Gruest, Heir to the Estate of Jacqueline Gruest, Deceased

Date

25.05. 2 cm

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

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Charles Dauguet Date

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Willy Rozenbaum

Date

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Christine Rouzioux

Date

30 05 Rook

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FRANÇOISE BRUN. VEZINER

Date

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Luc Montagnier

May 24 2006

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Jean Claude Chermann

May 26" 06

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Françoise Barre-Sinoussi

05.24.2006

Date

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